

420 Rec'd PCT/PTO 26 JAN 2000

SEQUENCE LISTING

<110> The Administrators of the Tulane Educational Fund
Landry, Samuel J.

<120> PREDICTION, DETECTION AND DESIGN OF
T-CELL EPITOPE

<130> 07005/003WO2

<140> NOT KNOWN

<141> 1998-07-28

<150> 60/054,156

<151> 1997-07-29

<160> 2

<170> FastSEQ for Windows Version 3.0

<210> 1.

<211> 513

<212> PRT

<213> Bacteriophage T4

<400> 1

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			20					25					30		
Leu	Trp	Val	Thr	Val	Tyr	Tyr	Gly	Val	Pro	Val	Trp	Lys	Glu	Ala	Thr
			35				40					45			
Thr	Thr	Leu	Phe	Cys	Ala	Ser	Asp	Ala	Lys	Ala	Tyr	Asp	Thr	Glu	Val
	50					55					60				
His	Asn	Val	Trp	Ala	Thr	His	Ala	Cys	Val	Pro	Thr	Asp	Pro	Asn	Pro
65					70					75				80	
Gln	Glu	Val	Val	Leu	Glu	Asn	Val	Thr	Glu	Asn	Phe	Asn	Met	Trp	Lys
			85					90					95		
Asn	Asn	Met	Val	Glu	Gln	Met	His	Glu	Asp	Ile	Ile	Ser	Leu	Trp	Asp
			100					105					110		
Gln	Ser	Leu	Lys	Pro	Cys	Val	Lys	Leu	Thr	Pro	Leu	Cys	Val	Thr	Leu
		115					120					125			
Asn	Cys	Thr	Asn	Val	Asn	Val	Thr	Asn	Leu	Lys	Asn	Glu	Thr	Asn	Thr
	130				135						140				
Asn	Ser	Ser	Ser	Gly	Gly	Glu	Lys	Met	Glu	Glu	Gly	Glu	Met	Lys	Asn
145				150					155					160	
Cys	Ser	Phe	Asn	Val	Thr	Thr	Leu	Ile	Arg	Asn	Lys	Arg	Lys	Thr	Glu
			165					170						175	
Tyr	Ala	Leu	Phe	Tyr	Lys	Leu	Asp	Val	Met	Pro	Ile	Asp	His	Asp	Asn
		180					185					190			
Thr	Ser	Tyr	Thr	Leu	Ile	Asn	Cys	Lys	Ser	Ser	Thr	Ile	Thr	Gln	Ala
	195					200						205			

Cys Pro Lys Val Ser Phe Glu Pro Ile Pro Ile His Tyr Cys Ala Pro
 210 215 220
 Ala Gly Phe Ala Ile Leu Lys Cys Asn Asp Lys Lys Phe Asn Gly Lys
 225 230 235 240
 Gly Pro Cys Lys Asn Val Ser Thr Val Gln Cys Thr His Gly Ile Arg
 245 250 255
 Pro Val Val Ser Thr Gln Leu Leu Leu Asn Gly Ser Leu Ala Glu Glu
 260 265 270
 Asp Ile Val Ile Arg Ser Glu Asn Phe Thr Asp Asn Ala Lys Asn Ile
 275 280 285
 Ile Val Gln Leu Asn Val Ser Ile Glu Ile Asn Cys Thr Arg Pro Asn
 290 295 300
 Asn Asn Thr Arg Lys Lys Ile Thr Leu Gly Pro Gly Arg Val Leu Tyr
 305 310 315 320
 Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Arg Ala His Cys Asn Leu
 325 330 335
 Ser Arg Thr Ser Trp Asn Asn Thr Leu Lys Gln Ile Val Glu Lys Leu
 340 345 350
 Arg Glu Ile Lys Gln Phe Lys Asn Lys Thr Ile Val Phe Lys Gln Ser
 355 360 365
 Ser Gly Gly Asp Pro Glu Ile Val Met His Ser Phe Asn Cys Gly Gly
 370 375 380
 Glu Phe Phe Tyr Cys Asn Ser Thr Gln Leu Phe Asn Ser Thr Trp His
 385 390 395 400
 Ala Asn Gly Thr Trp Lys Asn Thr Glu Gly Ala Asp Asn Asn Ile Thr
 405 410 415
 Leu Pro Cys Arg Ile Lys Gln Ile Ile Asn Arg Trp Gln Glu Val Gly
 420 425 430
 Lys Ala Met Tyr Ala Pro Pro Ile Glu Gly Gln Ile Arg Cys Leu Ser
 435 440 445
 Asn Ile Thr Gly Leu Leu Leu Thr Arg Asp Gly Gly Ser Ser Glu Glu
 450 455 460
 Asn Gln Thr Glu Ile Phe Arg Pro Gly Gly Gly Asn Met Lys Asp Asn
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 Trp Arg Ser Glu Leu Tyr Lys Tyr Lys Val Val Lys Ile Glu Pro Leu
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 Arg

<210> 2

<211> 112

<212> PRT

<213> Human Immunodeficiency Virus

<400> 2

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 Ser Gly Leu Ile Ile Gly Lys Arg Val Gln Gly Glu Val Pro Glu Leu
 35 40 45

1

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1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	